



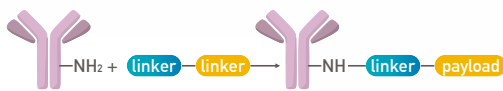
# AsymBio Conjugation Toolbox

AsymBio's conjugation toolbox encompasses diversified state-of-the-art conjugation technologies, all of which have undergone a full validation for its robustness, scalability, and ease of tech transfer into GMP. Based on our scientific evaluation and rich prior knowledge on conjugation, we can tailor the best-fit technology for your bioconjugates. Taking advantage of the scalable and validated features of our toolbox technologies, we proactively mitigate risks from the onset of your project and expedite the development of your molecules into next milestone.

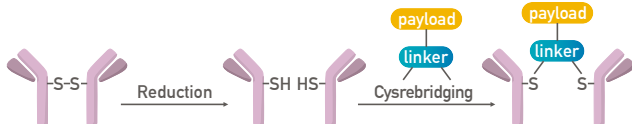
The conjugation toolbox is complemented by our proven payload-linker solutions and our effective development and manufacturing capabilities, offering you a comprehensive one-stop service to meet your bioconjugate development needs.



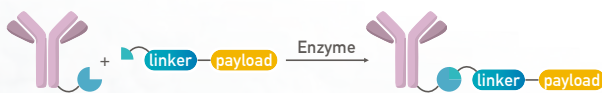
## Lysine Based Conjugation



## Interchain Cysteine Re-bridge Conjugation



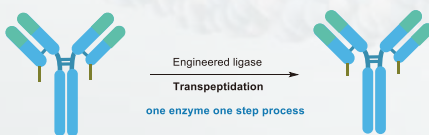
## Enzyme Conjugation



## Cysteine Based Conjugation



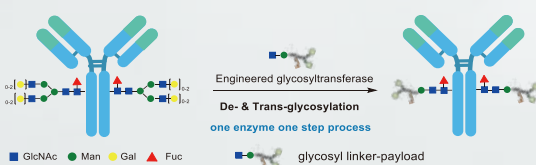
## iLDC (by GeneQuantum)



Sortase A recognition sequence LPXTGG

Hydrophilic linker-payload

## iLDC (by GeneQuantum)



## Engineered Cysteine Conjugation



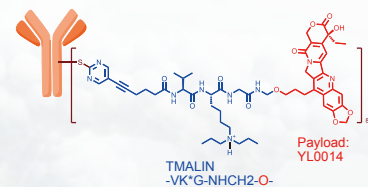
## Glycosyl Site-conjugation



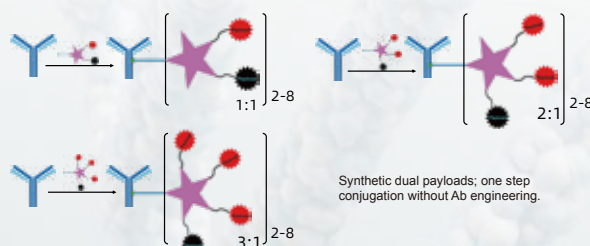
## IDDC (by Mabwell)



## TMALIN (by MediLink)



## StarLinker Technology (by CanWell)

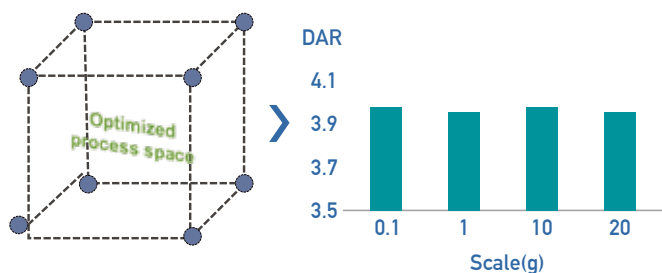
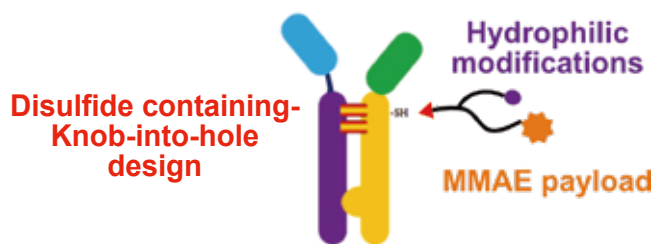


## Case Study I

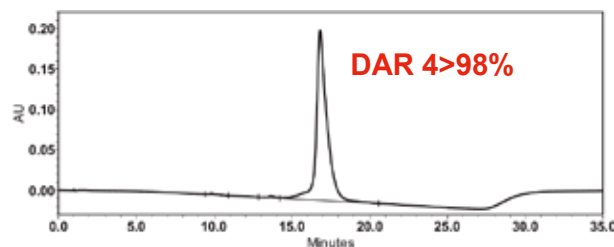
### A DAR4 ADC based on BsAb and MMAE

Cys-fully conjugated DAR 4 BsADC

Consistent product quality through process optimization



- Process optimization afford homogeneous ADC with the ratio of DAR 4 species >98%
- Process & analytical method development was completed within 2-3 months.

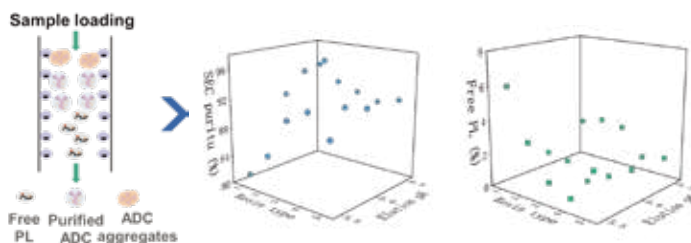
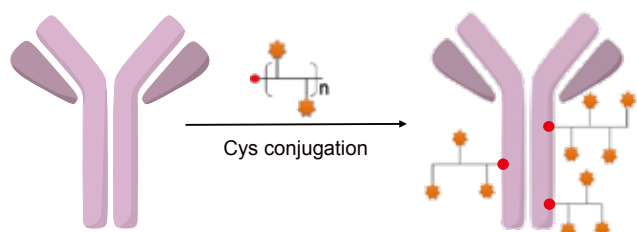


## Case Study II

### A novel high-DAR ADC

Polymer linker & Cys conjugation: DAR>8

Efficient removal of the residual PL and aggregates



Stable process at different scales

Dedicated method for DAR analysis

